as card emulation, read/write capabilities, and/or peer-to-peer information exchange. Alternatively, the wireless circuitry **1158** may include wireless technology standards transmitted and received in a band in the 2.400 to 2.485 Gigahertz ("GHz") range, also referred to as BLUETOOTH®. Alternatively, the wireless circuitry **1158** may include wireless technology standards transmitted and received in a band in the 2.400 to 5.000 Gigahertz ("GHz") range, also referred to as WIFI®. Although not shown, the accessory device **1100** may also include wired communication for the power supply **1122**, the charging module **1142**, and the sensor **1156**.

[0082] The cover **1104** may further include circuitry **1162** that can take the form of processor circuitry and memory circuitry. The processor circuitry can receive information received by the power supply **1122**, the charging module **1142**, and the sensor **1156**. The processor circuitry can run software applications and/or algorithms stored on the memory circuit, with the software applications and/or algorithms written for use with the power supply **1122**, the charging module **1142**, and the sensor **1156**. The accessory device **1100** may also include wired communication for the power supply **1122**, the charging module **1142**, the sensor **1156**, and the circuitry **1162**.

[0083] FIG. **18** illustrates a plan view of an alternate embodiment of an accessory device **1200**, showing the accessory device **1200** with a cover **1204** that includes a display **1264***a*, in accordance with some described embodiments. The accessory device **1200** may include a receptacle (shown later) designed to receive and carry an electronic device. In FIG. **18**, the accessory device **1200** is in a closed position, and the cover **1204** is positioned over the receptacle using a hinge **1206** coupled to the cover **1204** and the receptacle. The cover **1204** includes a power supply **1222** and a compartment **1224** that holds the power supply **1222**.

[0084] The display **1264***a* is designed to present visual information in the form of motion images, still images, and textual information. The visual information may include notifications received by an electronic device in the receptacle. Additionally, the visual information may include notifications in accordance with information received from components located on the cover **1204**, such as information related to the charge/energy state of the power supply **1222**. The notifications may be in accordance with information received from other components located on the cover **1204**. Although not shown in FIG. **18**, the components may include sensors, charging modules, and/or processor circuitry, as non-limiting examples. When the charging module is present, the notifications may be in accordance with information related to the charge/energy level of the power supply of a user accessory that is being charged by the charging module. Further, the visual information provided by the display **1264***a* may include a dynamic application toolbar that is specific to a software application (or applications) stored on an electronic device carried by the accessory device **1200**.

[0085] FIG. **19** illustrates a plan view of the accessory device **1200** shown in FIG. **18**, showing the cover **1204** having an additional display, in accordance with some described embodiments. As shown, the cover **1204** includes a display **1264***b*. The display **1264***a* (shown in FIG. **18**) and the display **1264***b* may be referred to as a first display and a second display, respectively, of the accessory device **1200**. Also, an electronic device **1270** is positioned in the receptacle **1202**. The electronic device **1270** may include any features described herein for an electronic device. The accessory device **1200**, as shown in FIG. **19**, is in an open position, as the cover **1204** is rotated away from the receptacle **1202** via the hinge **1206**.

[0086] In the open position of the accessory device **1200**, a user can readily view both the display **1264***b* on the cover **1204** and a display **1274** of the electronic device **1270**. The display **1264***b* may be in communication with the display **1274** by wireless or wired communication. In this regard, the display **1264***b* can receive information from the electronic device **1270**, and can present visual information in accordance with the information received by the electronic device **1270**. For example, the display **1264***b* may work in conjunction with the display **1274** to provide textual information from an electronic book. As another example, the display **1264***b* may work in conjunction with the display **1274** to provide motion images to define a mosaic display system.

[0087] FIG. **20** illustrates a plan view of an alternate embodiment of an accessory device **1300**, showing the accessory device **1300** with a receptacle **1302** and a cover **1304** that is removable from the receptacle **1302**, in accordance with some described embodiments. As shown, the cover **1304** includes a hinge **1306** that can couple to the receptacle **1302**. The cover **1304** further includes a power supply **1322** and a compartment **1324** that holds the power supply **1322**.

[0088] The receptacle **1302** includes a sidewall **1312**. A partial cross sectional view of the sidewall **1312** is shown. The sidewall **1312** may include a magnet **1303***a* and a magnet **1303***b*. The hinge **1306** may include a magnet **1305***a* and a magnet **1305***b* designed to magnetically couple with the magnet **1303***a* and the magnet **1303***b*, respectively. Also, the receptacle **1302** may include contacts **1307** and a connector **1336** that is electrically coupled to the contacts **1307** by a flexible circuit **1326***a*. The cover **1304** may include contacts **1309** that are electrically coupled to the power supply **1322** by a flexible circuit **1326***b*. When the magnet **1303***a* and the magnet **1303***b* are magnetically coupled with the magnet **1305***a* and the magnet **1305***b*, respectively, the contacts **1307** engage, and electrically couple with, the contacts **1309**. As a result, the power supply **1322** is electrically coupled to the connector **1336**, and an electronic device (not shown in FIG. **20**) can electrically couple to the connector **1336** and receive energy from the power supply **1322**. Also, in some embodiments (not shown), the connector **1336** is replaced by contacts (such as contacts **128**, shown in FIG. **1**).

[0089] The accessory device **1300** may include some alternatives. For example, the hinge **1306** may extend from the receptacle **1302** (rather than the cover **1304**). This modification would result in i) the magnet **1303***a*, the magnet **1303***b*, and the contacts **1307** being located on the hinge **1306**, and ii) the magnet **1305***a*, the magnet **1305***b*, and the contacts **1309** being located on the cover **1304**. Also, the aforementioned magnets can be substituted with mechanical interlocks (such as fasteners or pins).

[0090] FIG. **21** illustrates a block diagram of an accessory device **1400**, in accordance with some described embodiments. The features in the accessory device **1400** may be present in other accessory devices described herein. The accessory device **1400** may include one or more processors **1410** for executing functions of the accessory device **1400**.